



KASTOflex: Universal, Semi- or Fully Automatic  
Circular Saws for Machine Shops and  
Production Cutting

# KASTOflex U

From Cut to Cut,  
It Can Do It All

Universal, accurate and fast – the high performance semi-automatic circular saw is designed for machine shops and factories alike to cut profiles, tubes and solids – straight 90° as well as double-sided mitre cut.

Quick work piece clamping via push-button with hydraulic long-/short stroke vertical clamping vice.

Swivel range of rotary table 180°, angle adjustment manually via vernier scale, easy indexing due to four-point roller bearing. Fixed stops for 90° and 45° right and left, more stops available upon request.

Hydraulic, infinitely variable constant saw feed. No saw blade change, no set-up times necessary in mixed profile/solid operation. Easy electronic cutting height limitation with “teach in” method.

Direct drive via multi-speed three-phase motor, four-step helical spur gear drive with hardened and ground gears running in an oil bath, upon request, infinitely variable cutting speed, frequency-controlled (option)

KASTOflex U.





KASTOflex A.

## KASTOflex A

### Fast and Flexible – For Single or Production Cuts

Universal and economical – the circular saw for single and production cuts. An ergonomic work height and good accessibility – the enclosure opens wide – make flexible single cutting easy. The full enclosure provides an excellent view of the working area and guarantees safe automatic operation.

The material feed of up to 2000 mm in a single stroke makes multiple strokes for long cut lengths a thing of the past. A sturdy linear-guided material feed, powered via ball lead screw, ensures accurate cut-piece lengths.

The material clamping vice opens to both sides for a touch-free return stroke.

In automatic operation, the minimum remnant length is 35 mm for straight 90° cuts and only 95 mm for 45° mitre cuts – minimizing material loss.

The centrally located operating panel with the KASTO *Basic-Control* (Siemens S7 compatible) makes for an easy order entry.



# KASTOflex F

## Unmanned Operation

Available for fully automatic 90° and mitre cuts. Economic and efficient – from the roller conveyor or the magazine into the cut-piece container. Regardless of the number of cuts, orders are processed unmanned in an unmanned operation providing sufficient material is available.

For the material supply, optional infeed roller conveyors and – depending on application – different magazines are available.

Other possibilities for an unmanned material supply: Direct integration into a KASTOcenter (combination saw and storage system) or a KASTOsawcell (combination of cassette storage system with separation for the cassette and transport of the individual bar to the saw).

The cut-pieces are separated from trim cuts, intermediate cuts and remnants and can be sorted, discharged into different containers or stacked (option), depending on the requirement.

Easy order programming of the KASTO-saw control with graphic display of cutting geometry and calculated material amount per order. The saw parameter and the cutting path are automatically allocated to the to-be-stored material master data in the material memory.

KASTOflex F with Saw Control,  
ProControl or ExpertControl (option)





Generous access for easy saw blade change



KASTOflex A: Vertical clamping vise and material feed unit

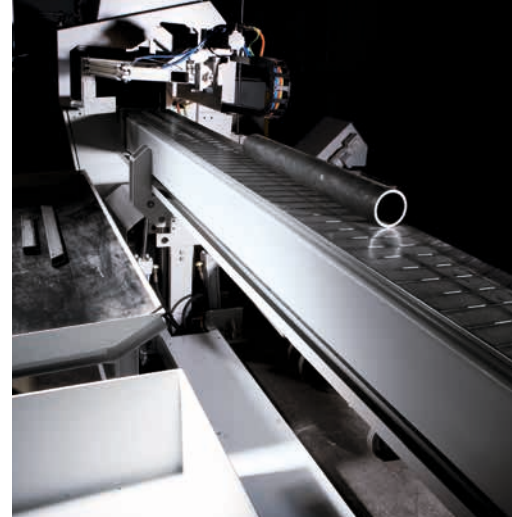


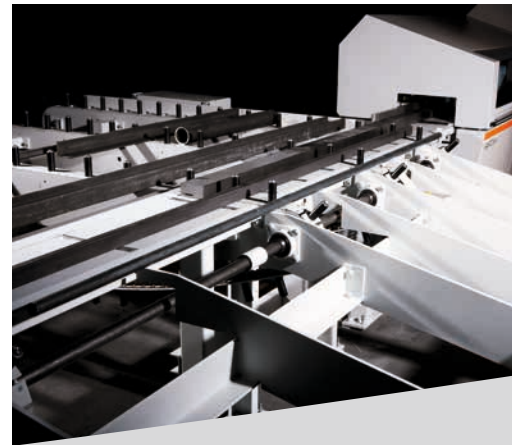
Plate conveyor for KASTOflex F cut-piece sorting



Cut piece pusher for KASTOflex F



Control of the KASTOflex F ExpertControl: Order entry with geometrical display of mitre cut



Universal magazine for KASTOflex F with restoring buffer

Technical Data		KASTOflex U	KASTOflex A	KASTOflex F
Cutting range, round with 90°	mm	150	150	150
Cutting range, square with 90°	mm	140 x 140	140 x 140	140 x 140
Cutting range, flat (hwx) with 90°	mm	350 x 25	200 x 100	200 x 100
Cutting range, round with 45°	mm	145	145	145
Cutting range, square with 45°	mm	120 x 120	120 x 120	120 x 120
Cutting range, flat (hwx) with 45°	mm	280 x 30	160 x 80	160 x 80
Cutting range, round with 60°	mm	140	115	115
Cutting range, square with 60°	mm	110 x 110	100 x 100	100 x 100
Cutting range, flat (hwx) with 60°	mm	170 x 50	120 x 60	120 x 60
In automatic operation, shortest remnant length 90°	mm		35	35
In automatic operation, shortest remnant length 45°	mm		95	95
Smallest to be cut diameter	mm	6	8	8
Mitre swivel range		manual +/- 90°	manual +/- 90°	automatic +/- 60°
Saw feed – speed range	mm / min	10 - 520	10 - 520	10 - 520
Material feed length, straight cut	mm		up to 2.030	up to 2.030
Material feed length, mitre cut	mm		up to 1.970	up to 1.970
Cutting speed (infinitely variable option)	m / min	12 / 24	12 / 24	10 - 60
Total power	kW	6 / 8	6 / 8	8
Power saw motor	kW	1,4 / 2,2 (opt. 4,0)	1,4 / 2,2 (opt. 4,0)	freq. opt. 4,0
Saw blade dimension (ø 350 mm option)	mm	Ø 400 up to 450	Ø 400 up to 450	Ø 400 up to 450
<b>Total dimensions</b>				
Length	mm	1.795	3.660	4.580
Width	mm	1.400	1.200	1.500
Height	mm	1.900	1.900	1.900
Material support height	mm	1.050	1.050	1.050
Weight	kg	1.350	2.500	2.700



# The complete KASTO program: Saws. Storage. And More.

## Expertise right down the line.

For more than 175 years, KASTO has been recognised for quality and innovation. Today, KASTO offers not only metal saws but also automatic storage systems for long goods and sheet metal, as well as customised material logistics solutions. The product portfolio is rounded off by innovative digital solutions and the powerful KASTO service. Thanks to ongoing development of new technologies and constant optimisation of machine concepts, KASTO has achieved the status of market leader in sawing and storage of metals.

## KASTO's Sawing Machines.



From the basic hacksaw to the high-performance automatic bandsaw capable of economically processing bar stock, blocks or plates of all grades, KASTO has the best solution for every challenge: Universal bandsaws and circular saws for light and medium applications, hacksaws employing the pushing-arching-cutting motion originated by KASTO, and production bandsaws and circular saws designed to cut medium to difficult materials. KASTOsort offers the possibility to palletise the complete variety of cut-off pieces of the KASTO sawing machine without additional operating effort – or to pass them to further processing systems.

## KASTO's Storage Systems.



Short provision time, optimum space utilisation and ideal stock overview: These are some of the benefits of KASTO storage systems from a standard tower storage to individually adapted bar and sheet metal storage system up to sophisticated material logistics and handling solutions such as the fully automatic sawing center KASTOcenter or the tour distribution system KASTOrail – KASTO plans and delivers the whole system including modern and flexible software solutions from one source.

## KASTO's More.



The extensive services of KASTO start already in the analysis and planning phase and do not stop with the commissioning and training. Maintenance concepts, service contracts, fast availability of spare parts or on-site maintenance and repair are just as much a part of this as individual remote support and advice via KASTO *VisualAssistance* or *RemoteAssistance*. KASTO*retrofit* adapts your machine or system to current requirements and re-enables it to be a powerful and reliable component of the production and logistics chain. And of course, KASTO service is available worldwide.

Your KASTO Partner



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